

File Names

13:43 Thursday, August 24, 2006 1

| File # | Original File Name |
|--------|---|
| 1 | EPA_SS_FRESNO_RP8400N1_10MIN_20040101_20040630_V1.csv |

Dataset Key Phrases

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| Data Exchange Standard Version | Principal Investigator Name--last first | Principal Investigator Affiliation | File Contents Description--short long | Sampling Interval As Reported in Main Table |
|--------------------------------|---|--|---|---|
| NARSTO 2002/05/28 (2.301) | Watson ; Dr. John | Desert Research Institute, 2215 Raggio Pkwy, Reno, NV 89512, USA | NO3_8400N1_10MN ; Ambient Particulate Nitrate Concentrations obtained by flash volatilization and decomposition using a 2.5um cyclone | 10 minute |

| Sampling Frequency Of Data in Main Table | Quality Control Level | Organization Acronym | Organization Name | Data Usage Acknowledgement | Study Or Network Acronym |
|--|-----------------------|----------------------|--|--|--------------------------|
| Same as sampling interval | 1 | EPA/NOAA/CARB | EPA/NOAA/CARB Long Term Monitoring--Fresno | Desert Research Institute, 2215 Raggio Pkwy, Reno, NV 89512, USA | EPA_SS_FRESNO |

| Study Or Network Name | Country Code | State Or Province Code | Principal Investigator Contact Information | Co-investigator Name--last first | Co-investigator Affiliation |
|-------------------------------------|--------------|------------------------|--|----------------------------------|-----------------------------|
| EPA/NOAA/CARB PM Supersites--Fresno | US | CA | Dr. John G. Watson, Desert Research Institute, 2215 Raggio Pkwy, Reno, NV 89512, USA | None ; None | None |

| Name And Affiliation Of Person Who Generated This File | Date Of Last Modification To Data In Main Table | Name And Version Of Software Used To Create This File |
|--|---|---|
| Norm Robinson, DRI | 2004/12/22 | MS VB.Net; MS SQL Server 2000 |

| Companion File Name format And Version | Date This File Generated archive Version Number | Table Explanation Of Zero Or Negative Values | Table Explanation Of Reported Detection Limit Values |
|--|---|--|--|
| None ; None | 2005/08/08 ; 1 | Zero and negative values occur during clean atmospheric conditions when concentrations are below detection limits or near the instrument zero. | Detection limits are currently being evaluated. |

| Table Explanation Of Reported Uncertainty | Table User Note | Table User Note2 | Table User Note3 | Table User Note4 | Table Name | Table Focus |
|---|--|--|------------------|------------------|-----------------|----------------|
| See *TABLE USER NOTE2 | Particulate Nitrate 10 minute concentrations | Uncertainty is not reported in this file. The final Project Report will discuss uncertainty in more depth. | | | NO3_8400N1_10MN | Surface--fixed |

Site Information

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| Site ID | Name | State Province code | Latitude: decimal degree | Longitude: decimal degree | Sampling height above ground (m) | Ground elevation above sea level (m) |
|--------------|------------------------|------------------------|--------------------------|---------------------------|-------------------------------------|---|
| ES2FUSCAFSF_ | 3425 N First St Fresno | CA | 36.78167 | -119.77333 | 12.2 | 90.2 |

| Site ID | Site land use | Site location setting | Measurement start date | Measurement end date | Co-incident measurements | Study site ID | Lat lon accuracy |
|--------------|---------------|-----------------------|------------------------|----------------------|-----------------------------|---------------|---------------------|
| ES2FUSCAFSF_ | Commercial | Urban and center city | 1999/05/01 | 9999/12/31 | N | N | -999.9 |

NARSTO Standard Flags

| Flag: NARSTO | Description |
|--------------|---|
| H1 | Historical data that have not been assessed or validated |
| M1 | Missing value because no value is available |
| M2 | Missing value because invalidated by data originator |
| V0 | Valid value |
| V1 | Valid value but comprised wholly or partially of below detection limit data |
| V2 | Valid estimated value |
| V3 | Valid interpolated value |
| V4 | Valid value despite failing to meet some QC or statistical criteria |
| V5 | Valid value but qualified because of possible contamination (e.g., pollution source, laboratory contamination source) |
| V6 | Valid value but qualified due to non-standard sampling conditions (e.g., instrument malfunction, sample handling) |
| V7 | Valid value but set equal to the detection limit (DL) because the measured value was below the DL |

NARSTO Time Series Plot

24AUG2006

Site ID: **ES2FUSCAFSF_** Variable name: **Nitrate** Units: **ug/m3** Sampling interval: **10 minute** Sampling frequency: **Same as sampling interval**
CAS ID: **C14797-55-8** Observation type: **Particles** Particle diameter--lower bound (UM): **Undetermined** Particle diameter--upper bound (UM): **2.5**
Field sampling or measurement principle: **Automated particulate nitrate monitor** Medium: **Impaction surface** Inlet type: **Cyclone**
Sampling humidity or temperature control: **Humidification** Volume standardization: **Ambient temperature and pressure**
Sampling Height above ground (m): **10.8** Instrument name and model number: **R+P, Model R+P8400N Ambient Nitrate Monitor**
Detection Limit: **Undetermined**

Site Name: **3425 N First St Fresno, California** Latitude: **36.78167 deg.** Longitude: **-119.77333 deg.** Start Date: **1999-05-01**

